The Practitioner’s Toolkit
The role of strategies and tools for evidence-based spatial planning

May 2nd 2013
Canal Court Hotel, Newry

Justin Gleeson, All-Island Research Observatory (AIRO)

Outline

• The Practitioner’s Toolkit(s) – tools for evidence based spatial planning
  – Socio-Demographic & Census
    • All-Island Research Observatory (AIRO)
    • NISRA
    • ICLRD
  – Land Use Planning
    • MyPlan.ie
  – Environment
    • EPA
    • GS/GSNI
    • Flood Mapping
    • Wind Energy
  – Regional Monitoring Systems
    • Regional Planners Network
  – AIRO demonstrations throughout the day

Socio-Demographic Toolkit: All-Island Research Observatory (AIRO)

• AIRO is a research unit and spatial data portal focused on improving evidence informed planning in Ireland
  - Collects, analyses and provides evidence and tools to support better planning and decision making
  - Maps, data, policy advice, research and training
  - Maximise the usage and benefit of publically funded and readily available datasets.
  - Highlight the benefit of proper collection, management and dissemination of datasets
• Who do we work with?
  - Government Departments
  - Semi-State bodies
  - Regional Authorities, Local Authorities, Local Partnerships, Charities etc.
  - Academics, Researchers, Public
  - Funding Bodies (ESPON, SEUPB, INTERREG)
Socio-Demographic Toolkit: All-Island Research Observatory (AIRO)

- Variety of tools and datasets available on/via the AIRO website
  - Mapping Modules
  - Spatial Indicators
  - Map Library
  - News and Events (data releases, training, workshops etc)

Socio-Demographic Toolkit: All-Island Research Observatory (AIRO)

- Mapping Modules – Socio-Demographic Toolkit
  - Mapping partners with the Central Statistics Office (CSO) to improve the dissemination of Census 2011 results
  - Public sector reform, important collaboration between public bodies to improve access to publically funded data
  - Individual Local Authority (LA) and Regional Authority (RA) Census mapping tools available on the AIRO site
  - InstantAtlas (GeoWise) software
  - Full set of variables for 2006 and 2011 at ED and SA level
  - 15 themes
    - Population, Nationality, Religion, Economic Status, Industry, Housing, Transport, Internet Access etc
  - Additional research output now included: accessibility scores to public facilities/retail, Deprivation Indices
    » Coming soon... POWCAIR, LPT
  - Let’s have a look [link](http://www.airo.ie/mapping-module/atlas/HTML/Louth)

Socio-Demographic Toolkit: All-Island Research Observatory (AIRO)

- Invitation to LA and RA to embed these tools within corporate website
  - Planning sections, Community and Enterprise etc
  - No requirement for dependence on GIS/IT staff
  - 10 minute job for IT technician to create iframe and embed link
    » It’s a toolkit for planners, policy makers and researchers

"South Tipperary County Data Hole"
Socio-Demographic Toolkit: All-Island Research Observatory (AIRO)

- Planning reform in Republic of Ireland
  - 3 new Regional Assemblies
    - Connacht/Ulster Region
    - Southern Region
    - Eastern-Midland Region

- National Census Mapping Viewer
  - Requirement to display all 18k boundaries
  - Published maps to ArcGIS for Server and displayed through ArcGIS Viewer for Flex
  - 260+ maps on all census themes
  - Counts, percentages and ratios
  - Let’s have a look (http://airomaps.nuim.ie/census2011)

- POWSCAR
  - Place of Work, School or College Census of Anonymised Records
  - 2.78m O-D trips
    - 1.01m students
    - 1.77m workers
  - SA/ED to 250M grid/SA/ED
  - Catchments to Cities/Towns
  - Open to suggestions on further developments
Regional Spatial and Economic Strategies
- Development of local economic baseline
- Demographic profiling
- Employment status
- Industry of Employment
- Labour catchments
- Education
- Critical Mass and marketing of potential employment destinations
- Pilot project with Meath County Council
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- Northern Ireland Census 2011
  - Northern Ireland Statistics and Research Agency (NISRA)
  - Second release - Phase 2: 16 January 2013: Key statistics for Assembly Areas (AAAs), Electoral Wards, Super Output Areas (SOAs) and Small Areas (SAs).
  - Third release - Phase 3: 28 February 2013: Quick Statistics for all geographies and population and household estimates for lower geographies.
  - Fourth release - Phase 4: June 2013: Detailed Characteristics for Northern Ireland.
  - Fourth release - Phase 5: August - September 2013: Detailed characteristics for the remaining geographical levels.
  - Fifth release - September - December 2013: Local characteristics and detailed themes.
  - Subsequent releases of specialist products:
    - Microdata
    - H抢救
    - Alternative population bases
    - UK population estimates
    - Commissioned tables
    - Northern Ireland Census 2011 reporting and analysis

Welcome to NINIS
Socio-Demographic Toolkit: All-Island Research Observatory (AIRO)

- Northern Ireland Census 2011
- Northern Ireland Statistics and Research Agency (NISRA)

airomaps.nuim.ie/NIcensus2011
Socio-Demographic Toolkit: All-Island Research Observatory (AIRO)

- AIRO & ICLRD collaboration on cross-border data analysis projects

airomaps.nuim.ie/airoaccessmap
Socio-Demographic Toolkit: All-Island Research Observatory (AIRO)

• INNICCO / INTERREG: Evidence Based Planning
  • Develop an All-Island on-line Digital Atlas Tool
    - All-Island
    - Cross Border specific
    - Local Authority/Local Government District
  • Census Summaries (preliminary analysis)
  • All-Island 2011 Deprivation Index & All-Island Travel to Work mapping
  • DATA days: workshops on using data to support evidence informed planning, funding applications etc.
  • Digital Atlas Hard Publication
    - Sectoral analysis (population, education, transport, health, housing, environment etc)
    - Expert commentary from NI and RoI academic/policy community
    - Cross Border case-studies

airomaps.nuim.ie/AIdepindex
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Major reform of planning data in RoI local authorities
- Classification, management, analysis and storage of digital planning data
  - Zoning (Development Plans, Local Area Plans, Other Plans)
  - Residential Density
  - Address Data
  - Unfinished Estates/LPT Waiver Areas
  - Education
  - Architectural Heritage Areas
  - National Monuments
  - OPW Flooding
  - Designated Areas
- Overview of planning at all levels
  - DECLG, NTA, NAMA, ABP, Regional Authorities, Public
- Requirement on Planners/GIS Officers to now develop MyPlan compliant zoning boundaries
  - There is now 1 way to develop digital plans!
  - GIS Best Practice Guidance
  - Training modules, CPD on Planning Data & MyPlan
Environmental Toolkit

Monitoring Systems – Regional Planning Guidelines (RPGs)

- Regional Planning Guidelines Indicators initiative developed by Regional Planners Network (RPN)
- Need for a monitoring framework to measure progress of (RPGs) 2010-2022
  - Develop a baseline for the RPG mid-term reviews in 2013/14
- Proposed Regional Indicators
  - Economic Prosperity
  - People and Place
  - Environment and Infrastructure
- Methodology
  - RPG Aim and Objective
  - Proposed Indicators
  - Unit of Measurement
  - Target
  - Data Source
  - Presentation of Data: Mapping, Tables, Text
  - Expected Analysis and Outputs

Monitoring Systems – Regional Planning Guidelines (RPGs)

- Move from static reports to live monitoring systems
  - Annual, Quarterly updates
  - Time-series data
- Planners, Elected Members, Public
  - Share data, information through email, blogs, websites
  - Evidence to be used as basis for discussion and decision making
- Interactive Graphics
  - [Interactives]
- Interactive Maps
Thanks
Questions?
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